

# Daily Report

Yuxin Ma

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## Research

- **Discussion on Friday Morning** After discussion with my supervisor, there are two promising prospects:
  - **Visual Analytics Framework based on Soft Data** In the analytical process, the user will generate quite a lot of “soft data”. These data can also be used in the process as an improvement. However, It is quite challenging to give general models that describes all possible user interactions as well as store, index and search soft data.
  - **Cooperate with Data Mining and Machine Learning Researchers** One of the latest examples is [1]. Active learning on stream data and SVM visualization are two ideas that need further investigation.
- **SVM Visualization** The proposal is attached in the mail. In the next few days I will focus on visualizing support vectors.

## References

- [1] J. Chuang, S. Gupta, C. Manning, and J. Heer, “Topic Model Diagnostics: Assessing Domain Relevance via Topical Alignment,” in *ICML '12: Proceedings of the 29th Annual International Conference on Machine Learning*.